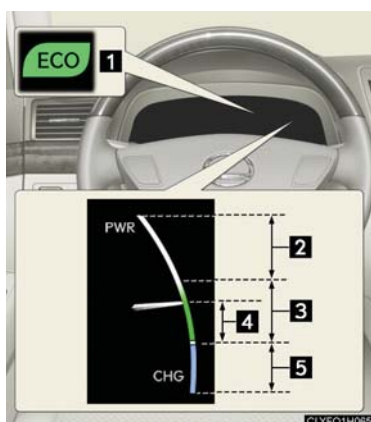
Hybrid System

Your vehicle is a hybrid vehicle. It has characteristics different from conventional vehicles. Be sure you are closely familiar with the characteristics of your vehicles, and operate with care.
The hybrid system combines a gasoline engine and an electric motor (traction motor) according to driving conditions, improving fuel efficiency and reducing exhaust emissions.
For details, refer to the “Owner's Manual”.

n Hybrid system indicator gauge

1 Eco Driving Indicator Light
During Eco-friendly acceleration (Eco driving), Eco Driving Indicator Light will turn on.
Eco Driving Indicator Light will operate when the vehicle is being driven at a speed of approximately 81 mph (130 km/h) or lower with the shift lever in “D”. Eco Driving Indicator Light will not operate when the vehicle is in EV mode, power mode or snow mode.

2 Power area
Shows that an Eco-friendly driving range is being exceeded (during full power driving etc.)

3 Eco area
Shows that the vehicle is being driven in an Eco-friendly manner.

4 Hybrid Eco area
Shows that gasoline engine power is not being used very often.

The gasoline engine will automatically stop and restart under various conditions.

5 Charge area
Shows that energy is being recovered via the regenerative brake.

n Regenerative braking

The motor generator converts kinetic energy to electric energy when:

l The accelerator pedal is released.

l The brake pedal is depressed with the shift lever in “D”, “S” or “R”.

n Sounds and vibrations specific to a hybrid vehicle

There may be no engine sounds or vibrations even though the vehicle is able to move. Always put the shift lever in “P” when parked.

The following sounds or vibrations may occur when the hybrid system is operating, and are not a malfunction:

l Motor sounds may be heard from under the vehicle.

l Sounds may be heard from the hybrid battery (traction battery) behind the rear seat when the hybrid system starts or stops.

l Sounds may be heard from the transmission when the hybrid system starts or stops.

l Engine sounds may be heard when accelerating sharply.

l Sounds may be heard due to energy regeneration when you depress the brake pedal.

l Vibrations may be felt when the gasoline engine starts or stops.

l You may hear cooling fan sounds coming from the air intake vents behind the rear seat.

Energy Monitor / Consumption Screens

You can view the status of your hybrid system on the multi-information display and the touch screen.

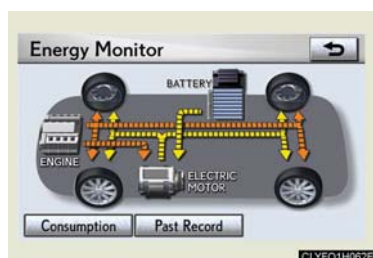
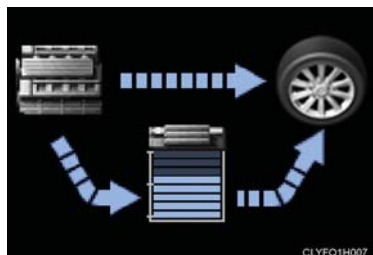
n Energy monitor

The energy monitor can be displayed on both the touch screen and the multi-information display.

l How to display on the touch screen:

1 Press “INFO/PHONE” beside the touch screen.

2 Touch “Fuel Consumption” on the “Information” screen.
If the “Energy Monitor” screen does not appear, touch “Energy”.

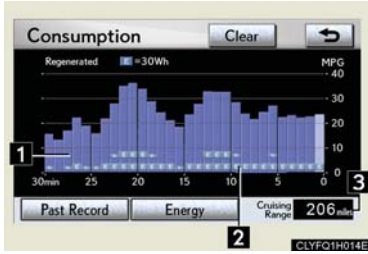
l How to display on the multi-information display:
Press the “DISP” switch on the steering wheel several times to select the energy monitor display.

l The flow of energy is displayed on the touch screen.
Amber: gasoline energy
Yellow: electrical energy
Green: energy recovery
A green arrow appears when regenerative braking occurs.

l The flow of energy is indicated by the movement of the arrows on the multi-information display.

l The battery display acts as an 8-step indicator of the hybrid battery level.

The displayed energy flow, battery level, etc. will change in response to the current driving conditions.

n Consumption

1 Press “INFO/PHONE” beside the touch screen.

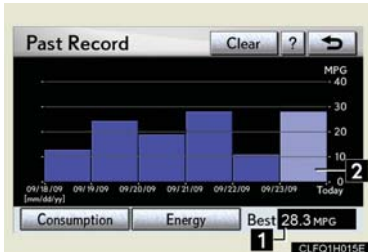
2 Touch “Fuel Consumption” on the “Information” screen.
If the “Consumption” screen does not appear, touch “Consumption”.

1 Fuel consumption in the past 30 minutes

2 Regenerated energy in the past 30 minutes
One symbol indicates 30 Wh. Up to 4 symbols are shown.

3 Cruising range

n Past record

1 Press “INFO/PHONE” beside the touch screen.

2 Touch “Fuel Consumption” on the “Information” screen.
If the “Past Record” screen does not appear, touch “Past Record”.

1 Best past fuel consumption

2 Average fuel consumption
Displays the average fuel consumption between each reset of the average fuel consumption on the multi-information display.

When resetting, if the average consumption is better than the best past fuel consumption will be updated.

n Hybrid warning message

A message is automatically shown when a malfunction occurs in the hybrid system or an improper operation is attempted.

If a warning message is shown on the multi-information display, read the message and follow the instructions.